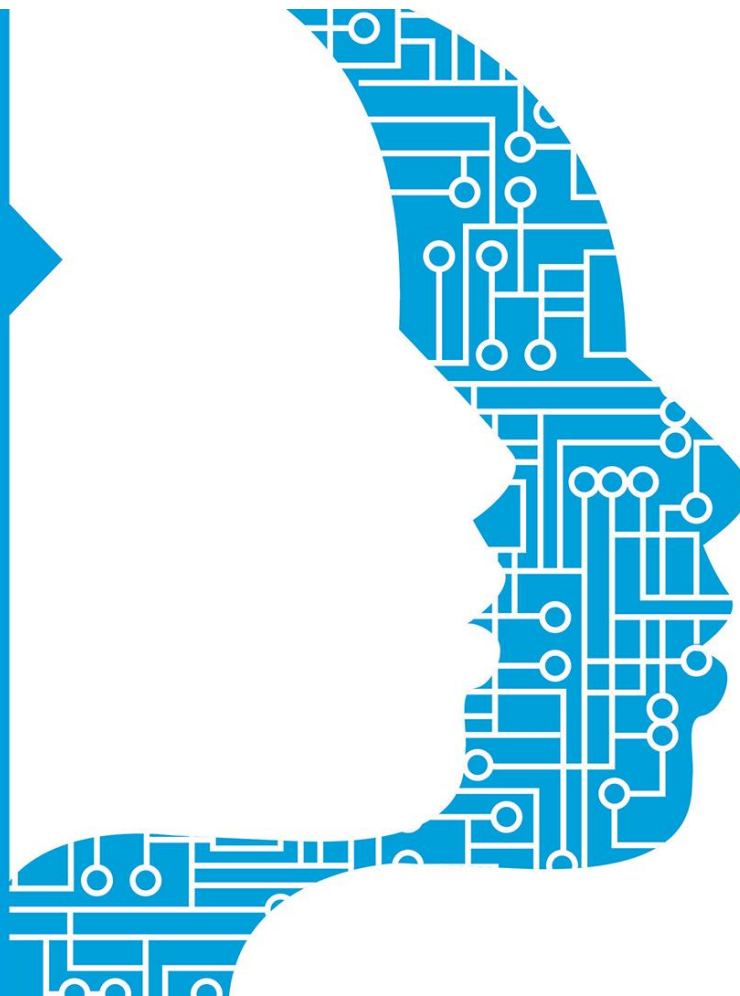


an **ITU** initiative

International Girls in ICT Day

*Expand horizons,
change attitudes*



TOOLKIT

Organizing a Girls in ICT Day Event

#GirlsInICT
itu.int/girlsinict

**International Girls in ICT Day
is an initiative backed by all ITU Member
States in ITU Plenipotentiary Resolution
70
(Rev. Dubai 2018)**



Objective

To inspire girls and young women to consider studies and careers in the ICT field and join the tech industry;

A global movement which aims at achieving gender equality and bridging the gender digital divide in line with the 2030 Agenda for Sustainable Development

Gives girls and young women the opportunity to learn about the opportunities offered by ICTs

To sensitizes employers on the need to promote gender balance in the ICT sector at all levels of the profession

Ideas for Events and Activities



Be imaginative and innovative when planning!



Key element to any event or activity is to spark girls' interest in ICT and raise awareness on career or business opportunities.



Mix and match different event styles!



1. Hands-on Workshops and Activities



Workshops are an excellent way to give girls a taste of what you can actually do with technology. In order to engage girls' interest.

In a workshop, girls will discover that technology is all about creativity, collaboration and, most importantly, a lot of fun!

Encourage them to have fun, work in pairs or small groups and not be afraid to make mistakes!

2. Mobile Application Building



Building mobile apps gives the girls a glimpse of the booming app industry and lets them experience creating something with technology

Online tools for building mobile apps

- Appshed
- Appinventor & Appinventor 2
- Ratchet
- LiveCode

3. Coding Clubs



Coding is at the heart of today's digital world. Hence, it is essential that girls are introduced to the logic of coding and programming languages.

Resources to learn coding online

- [Code.org](https://code.org)
- [Codecademy](https://www.codecademy.com/)
- [Khan Academy](https://www.khanacademy.com/)
- [Mozilla Webmaker](https://www.mozilla.org/en-US/webmaker/)
- [Made with Code](https://www.made-with-code.com/)

4. Animation and Games



There are several free online tools that the girls can use to create games, animated stories and interactive works of art.

Online tools to create games and animations

- Scratch
- Alice
- Kodu Game Lab
- Stencyl

5. Programming Robots



By introducing girls to robotics, you give them a chance to experience the future.

In robotics girls can learn how to write and run simple programs to make a robot carry out tasks including movement, altering LED display, announcing the current room temperature and using the robot as a gaming console.

Resources for robotics

- Arduino
- Lego Mindstorms
- Raspberry Pi
- LittleBits
- SPRK +
- Dash & Dot
- Finch Robot

6. Digital Video Production Art Works



Let girls use technology as a tool to express their creative and artistic side.

Girls can create digital artwork designs or make short films and videos on topics of their interest.

Programs for creating digital videos and art works:

- Gimp
- Inkscape
- Scribus
- Avidemux
- Corel Draw
- Glogster
- Microsoft Movie Maker

7. Experiencing 3D Printing



The **3D printing** is a process that builds a three-dimensional object from a computer-aided design (CAD) model.

3D printable models may be created with a computer-aided design package, via a 3D scanner, or by a plain digital camera.

Resources permitting, girls can learn how to print small 3D objects

8. Blogging



Blogging is a great first step in learning how to use technology as a platform for self-expression

Girls can be taught how to organize and put together their thoughts on a particular subject

Blogs can be published in their school magazine or even a regional or national newspaper. With permission the blogs can be posted online.

Blogging platforms

- WordPress
- Tumblr
- Blogger

9. Digital Skills Training



Girls in ICT Day is a great opportunity to organize basic training on digital skills and make girls more confident with computers.

Girls can be taught basic computer skills such as how to create a document, save, retrieve and print.

They can also be taught how to do an online search using internet search engines and how email works and how they can create their own accounts.

10. Computer Assembly



Understanding technology means not only understanding how to use it, but also how it works.

Taking apart old computers and going through the different parts and reassembling it can be an exciting and informative activity to show girls how a computer is constructed.

11. Open days



ICT companies, departments, government agencies, universities and research facilities can invite girls to visit or spend a day within their facility.

Girls can be introduced to the work done in terms of ICTs. Show them some exciting “behind the scenes” places, such as laboratories or research and development centres. Try to avoid long presentations and always when possible include interactive and hands-on activities.

Meeting and interacting with female role models is important when visiting ICT related organizations. Make sure girls see and meet many female staff members and get a chance to talk with them

12. Competitions and games



Competitions can help girls see ICTs in a whole new light and engage them in hands on activities.

When planning competitions, try to design it in a way that does not exclude girls with less or no experience with technology.

It is also a good idea to challenge girls to think about how to tackle social or environmental issues with ICTs, showing them that technology can help you make a difference.

Gifting the girls with non expensive tokens or certificates can be a great motivator.

13. ICT career fairs



Girls in ICT Day is a great opportunity to showcase various ICT professions and help widening girls' knowledge careers in the tech industry.

Invite ICT professionals to local schools or other places where girls can meet and freely talk with them.

Make sure to include a wide variety of professions and as many female professionals as possible.

You can also invite schools and colleges that offer ICT programs to demonstrate their latest ICT research and development.

14. Engaging with role models



Meeting and interacting with role models is invaluable in sparking girl's interest in ICTs.

You can invite female ICT professionals to share information about their career paths and provide insight into why tech should also be a career of choice for girls.

Organize discussions in small groups, motivational talks or round table discussions. Try to avoid lecturing and let girls ask questions freely.

However, bear in mind that a mentoring initiative is a longer commitment that does not last only one day.

More ideas for ITU Member States



Government authorities may consider encouraging stakeholders across the country to hold events, reaching out to all schools, universities, private sector companies and NGOs.

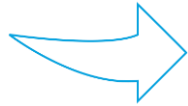
Others may organize a central celebration, inviting girls from across the country to participate in person or virtually.

The central celebration can consist of a seminar for students and teachers, media event, conference on ICT for girls, career day, hackathon or mobile app competition.

Make your event a success



Attract and retain partners and sponsors



Use technology



Other Related Information

Girls in ICT Facebook Fanpage:

On facebook.com/ITUGirlsinICT you can share your plans and discuss your ideas. Use the hashtag **#GirlsinICT** when posting related content.

Photos:

Take pictures and make videos of your events. But ensure to get getting parental permission as needed. Don't forget to send us the pictures along with a write-up of your event so that we can feature your events on ITU Girls in ICT Portal 😊

Awards and Certificates:

Give the girls something to take home. At the end of the day, the girls should go back home with materials that help them get more involved with ICTs.

Engage with Us

Twitter: [#GirlsinICT](#) and [@Equals](#)

Facebook: [@ITUGirlsinICT](#)

Website: www.itu.int/girlsinict

Showcase Your Event Globally

Visit: www.itu.int/girlsinict